



Safety Data Sheet

Vitastim Manure Supplement

Revision Date 10/13/2015

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name : Vitastim Manure Supplement

Synonyms : None

Product Form : Dry Powder

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Improves nitrogen uptake and reduces sludge and odors.

1.3 Details of the supplier of the safety data sheet

Company : Aquafix Inc.
2310 Daniels St.
Madison WI 53718
USA

Telephone: : +1 888-757-9577
Monday-Friday
7:30am-4:00pm CST

1.4 Emergency telephone number

Emergency Phone# : Chemtrec +1 800-424-9300

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye damage/irritation (Category 2A)

Skin corrosion/irritation (Category 3)

Oxidizing Solid (Category 3)

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word : Warning

Hazard Statement(s) : May cause eye irritation and mild skin irritation. May intensify fire; Oxidizer.

Precautionary Statement(s) : Avoid breathing dust/mist/vapor/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Do not eat, drink, or smoke while handling. Keep away from heat/sparks/open flames/hot surfaces. Store away from combustible materials.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS
None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Hazardous Components

Component	Cas-No.	Concentration %	OSHA PEL	ACGIH TLV
Sodium Nitrate	7631-99-4	28-32%	15mg/m3(total)* 5mg/m3 (respirable)*	10 mg/m3*
Bacteria Cultures	N/A	3-6%	15mg/m3(total)* 5mg/m3 (respirable)*	10 mg/m3*

*This TLV applies to nuisance particulates or particulates not otherwise regulated

Ingredients not precisely identified are proprietary or non-hazardous. Product formulation consists of listed materials, non-hazardous ingredients, and naturally occurring microorganisms.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Wear adequate personal protective equipment. If concerned consult a physician.

In case of skin contact

Wash exposed area with soap and water. If irritation persists, seek medical attention.

In case of eye contact

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

If Inhaled

Remove to fresh air.

If Ingested

May cause nausea or diarrhea, drink plenty of water.

4.2 Most important symptoms and effects both acute and delayed

May cause serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None known. If any symptoms persist, seek medical attention.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water , water spray, foam, carbon dioxide (CO₂), or dry powder.

Unsuitable extinguishing media

None

5.2 Special hazards arising from the substance or mixture

Contains oxidizer. Contact with combustible materials will not cause spontaneous ignition, however, sodium nitrate will enhance an existing fire.

Thermal decomposition can lead to the escape of toxic/ corrosive gases and vapors.

Thermal decomposition products: Nitrous oxides (NO_x), sodium nitrite and sodium oxide.

5.3 Special protective equipment for firefighters

Wear special clothing and self-contained breathing apparatus.

5.4 Further Information

Flash Point (°C) : Does not flash

Autoignition temperature (°C) : Not applicable

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

No special precautions required. Wear adequate personal protective equipment.

None

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

6.3 Method and materials for clean up

Maintain good housekeeping practices .Do not absorb in saw-dust or other combustible absorbents. No special disposal method required, except that it be in accordance with current local, state/provincial and federal regulations.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid generation of dust. Wear personal protection equipment.

7.2 Conditions for safe storage

Risks

May intensify fire.

Place of storage

Store in a cool, dry, well ventilated space between 50-80°F. Store away from combustible substances and reducing agents.

Fire/explosion protection

None needed

7.3 Specific end use

None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Components with work place parameters

None

8.2 Exposure controls

Engineering controls

Handle in accordance with good industrial hygiene and safety practice.

Personal Protective Equipment

Eye/face protection : Safety glasses

Skin : **Hand:** Handle with disposable gloves.

Other: Wear appropriate clothing for work

Respiratory protection : If prolonged exposure expected use respiratory PPE

Thermal protection : None

Environmental exposure : None

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance : Gray powder

Odor : Earthy, slightly sweet smell

Solubility : Soluble in water

Boiling point : No data available

pH : No data available

Vapor density : No data available

Melting point : No data available

Vapor pressure : No data available

Specific Gravity : No data available

9.2 Other information

None

10. STABILITY AND REACTIVITY

10.1 Reactivity : None

10.2 Chemical Stability : Stable

- 10.3 Possibility of hazardous reactions : None
- 10.4 Conditions to avoid : Keep away from flammable, combustible, and reducing agents. Keep away from strong acids or bases.
- 10.5 Incompatible materials : Acids or alkalis may inactivate bacteria, flammable, combustible and reducing substances under specific conditions.
- 10.6 Hazardous decomposition products : Nitrous oxides (NO_x), sodium nitrite and sodium oxide.
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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- Acute toxicity : No known effects
- Skin corrosion/irritation : May cause mild skin irritation
- Eye damage/irritation : May cause eye irritation
- Respiratory/skin sensitization : No known effects, possible allergic sensitization
- CMR(Carcinogenity, Mutagenicity, Reproductive toxicity) No known effects
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12.ECOLOGICAL INFORMATION

- 12.1 Toxicity : No known information is available
- 12.2 Persistence and degradability : No known information is available
- 12.3 Bioaccumulative potential : No known information is available
- 12.4 Mobility in soil : No known information is available
- 12.5 Results of PBT and vPvB assessment: No known ecological information is available
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13.DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product and packaging can be disposed of in regular trash. No special disposal method required.
Follow all applicable local laws for recycling, bagging, and disposal of trash.

14.TRANSPORTATION INFORMATION

- 14.1 UN NUMBER : Not relevant
- 14.2 UN proper shipping name : Not relevant
- 14.3 Transportation hazard class : Not classified as dangerous
- 14.4 Packing group : Not relevant
- 14.5 Environmental hazards : None
- 14.6 Special precautions : None
- 14.7 Further Information : None
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15.REGULATORY INFORMATION

Sara/Title III – CERCLA LIST of Hazardous Substances and Reportable Quantities (40CFR304.4): This product **does not** contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304

Sara/Title III – List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 300 & 305): This product **does not** contain an ingredient(s) listed as an extremely hazardous substances (EHS) for Emergency Planning under sections 301-303 and for Emergency Release Notification under section 304.

Sara/Title III – List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372): This product **does not** contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

16. OTHER INFORMATION

The information in this SDS was obtained from sources which we believe to be reliable. However, the information is provided without any warranty expressed or implied regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself.

This SDS was prepared and is to be used only for this product. No representation, warranty, or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness. We assume no responsibility for any loss, damage or expense direct or consequential arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.